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PTO/SB/21 (09-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/648,435
Filing Date	August 21, 2003
First Named Inventor	Howard C. Anderson et al.
Art Unit	2825
Examiner Name	Yelena Rossoshek
Attorney Docket Number	AN21-007

### ENCLOSURES (Check all that apply)

- ☒ Fee Transmittal Form
- ☒ Fee Attached
- ☐ Amendment/Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Supplemental Information Disclosure Statement w/Form 1449 and references
- ☐ Certified Copy of Priority Document(s)
- ☐ Reply to Missing Parts/Incomplete Application
  - ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation
- ☐ Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) \_\_\_\_\_
- ☐ Landscape Table on CD

- ☐ After Allowance Communication to TC
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):  
Return postcard receipt; check for \$180.00

Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Wells St. John P.S. (Customer No. 021567)
Signature	
Printed name	Keith D. Grzelak
Date	6/20/05

Reg. No. 37,144

### CERTIFICATE OF TRANSMISSION/MAILING

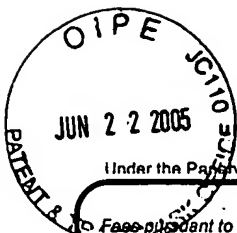
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	
Typed or printed name	Terry J. Gruber

Date 6/20/05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04v2)

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Effective on 12/08/2004.

Fee pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL**  
**For FY 2005**☒ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)  
180.00**Complete if Known**

Application Number	10/646,435
Filing Date	August 21, 2003
First Named Inventor	Howard C. Anderson et al.
Examiner Name	Yelena Rossoshek
Art Unit	2825
Attorney Docket No.	AN21-007

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_☒ Deposit Account Deposit Account Number: 23-0925 Deposit Account Name: Wells St. John P.S.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=	

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Filing fee for Supplemental IDS 180.00**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	37,144	Telephone (509) 624-4276
Name (Print/Type)	Keith D. Grzelak	Date	6/20/05	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application Serial No. .... 10/646,435  
Filing Date ..... 08/21/2003  
Inventorship ..... Howard C. Anderson et al.  
Assignee ..... Anadigm, Inc.  
Group Art Unit ..... 2825  
Examiner ..... Yelena Rossoshek  
Attorney's Docket No. .... AN21-007  
Title: **"Apparatus and Method for Synthesizing and Designing Circuits and Filters"**

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

References - See Attached Form PTO-1449

The attached Form PTO-1449 is submitted in compliance with 37 CFR §§ 1.56, 1.97 and 1.98. Pursuant to FEDERAL REGISTER, Vol. 69, No. 182, pg. 56542 (September 21, 2004), no copies of any cited U.S. patents or U.S. published applications are included herewith. Copies of all other cited art are attached. No admission is made regarding whether the listed references are prior art.

Each item of information contained in the information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application more than three months prior to the filing of this statement. See 37 C.F.R. § 1.97(e). Therefore, a fee is believed to be required and is submitted herewith.

Respectfully submitted,

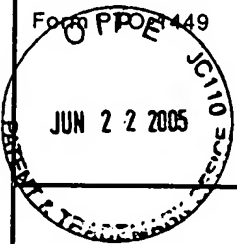
Dated: 6/20/05

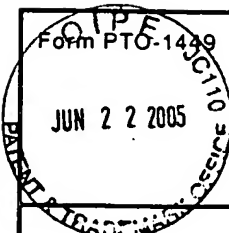
By:   
Keith D. Grzelak, Reg. No. 37,144  
Attorney for Applicant

06/23/2005 DEHHANU1 00000022 10646435

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180.00 OP

Form 449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. AN21-007		SERIAL NO. 10/646,435	
		LIST OF ART CITED BY APPLICANT		APPLICANT Howard Anderson et al.			
		(Use several sheets if necessary)		FILING DATE August 21, 2003		GROUP 2825	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM						
	AN						
	AO						
	AP						
	AQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	"Filter Synthesis Tool"; ECN Magazine, Online; 9/01/2001; XP002294939; Retrieved from Internet 9/06/2004; <a href="http://www.reed-electronics.com/ecnmag/article/CA207406">http://www.reed-electronics.com/ecnmag/article/CA207406</a>					
	AS	"Designing Filters Using the Digital Filter Design Toolkit", J. Rahman et al.; Online; 12/1996; pp. 1-6; from <a href="http://web.archive.org/web/20020125064136/sss-mag.com/pdf/sdigfltr.pdf">http://web.archive.org/web/20020125064136/sss-mag.com/pdf/sdigfltr.pdf</a> 9/6/04					
	AT	"A Field Programmable Analog Array and Its Application", Anderson et al.; pp. 555-558; Custom Integrated Circuits IEEE Conf. May 1997; XP010235366					
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. AN21-007		SERIAL NO. 10/646,435	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Howard C. Anderson et al.			
				FILING DATE August 21, 2003		GROUP 2825	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	BA						
	BB						
	BC						
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	BG						
	BH						
	BI						
	BJ						
	BK						
	BL						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes      No
	BM						
	BN						
	BO						
	BP						
	BQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	BR		"Motorola Field Programmable Analogue Arrays, Present Hardware and Future Trends", Bratt;				
			IEEE Colloquium Evolvable Hardware Systems (Digest No. 1998/233); pp 1/1-5; XP002294990				
	BS		"Advanced Continuous-Time Filter Design in MATLAB"; Tosic D V et al.; Proceedings of Miel				
			'2000; vol. 2, 14 May 2000; pp. 747-750, XP010378118; SERBIA pp. 747-749				
	BT		"Programmable Monolithic Multi-pole Filter Design w/ FPAAs"; WALTERS; ANALOGZONE;				
			Online! 9/15/2003; retrieved 9/6/2004 from <a href="http://www.analogzone.com/avt_0915.pdf">http://www.analogzone.com/avt_0915.pdf</a>				
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							